

M4A785G HTPC/RC Specification 2009/7/30

Note: The specifications are subject to changes without notice.

CPU	AMD® AM3/AM2+/AM2 Phenom™II /Athlon™II /Phenom™ / Athlon™ /Sempron™ Processors AMD® Cool 'n' Quiet™ Technology Support 45nm CPU
Chipset	AMD® 785G / SB710
System Bus	HyperTransport™ 3.0: up to 5200 MT/s for AM3 /AM2+ CPU 2000 / 1600 MT/s for AM2 CPU
Memory	4 x DIMM, max. 16GB, DDR2 1200(O.C.)/1066/800/667 MHz, ECC and non-ECC, un-buffered memory Dual channel memory architecture *Due to AMD CPU limitation, DDR2 1200/1066 is supported by AM3/AM2+ CPU for one DIMM per channel only. **Due to OS limitation, when installing total memory of 4GB capacity or more, Windows® 32-bit operation system may only recognize less than 3GB. Hence, a total installed memory of less than 3GB is recommended. ***Refer to www.asus.com or the user manual for the Memory QVL (Qualified Vendors Lists)
Graphics	Integrated ATI Radeon™ HD 4200 GPU - Supports HDMI™ Technology with max. resolution up to 1920 x 1200 (1080P) - Supports Dual-link DVI with max. resolution up to 2560x1600 @60Hz - Supports D-Sub with max. resolution up to 2560x1440 @75Hz for 16:9 format - Hybrid CrossFireX™ Support - Dual independent displays support with HDMI/DVI and D-Sub - Supports Microsoft® DirectX 10.1, OpenGL 2.0, Pixel Shader 4.0 - Hardware Decode Acceleration for H.264, VC-1, and MPEG-2 - Maximum shared memory of 512MB
Expansion slots	1 x PCIe 2.0 x16 2 x PCIe x1 1 x PCI 2.2
Storage	SB710 Chipset: - 1 x Ultra DMA 133/100/66 for up to 2 PATA devices - 5 x SATA 3Gb/s ports with RAID 0, 1, and 10 - 1 x external SATA 3Gb/s ports ** Due to the Windows XP/ Vista limitation, the RAID array with the total capacity over 2TB cannot be set as a boot disk. A RAID array over 2TB can only be set as a data disk only.
LAN	Realtek 8112L Gigabit LAN controller featuring AI NET 2
Audio	Absolute Pitch Hi-Fi featuring ENVY HD - 10-channel High Definition Audio - True Blu-ray 192kHz/ 24-bit audio - DTS Surround Sensation UltraPC - Supports Jack-Detection, Multi-streaming - 2-ch Gold-plated RCA output at back I/O - Optical S/PDIF out port at back I/O
IEEE 1394a	JMicron® JMB381 for 2 x 1394a ports
USB	10 x USB 2.0 ports (6 ports at mid-board, 4 ports at back panel)
AI HTPC Unique Features	ASUS HTPC Features - ASUS Absolute Pitch Hi-Fi - ASUS Home Theater Gate - ASUS Tranquil Mode (for AM3/AM2+ CPU only) ASUS Express Gate ASUS Fanless Design: Soundwave Heat-sink ASUS EZ DIY: - ASUS Q-Connector - ASUS CrashFree BIOS 3 - ASUS EZ Flash 2
Other Features	ASUS MyLogo 2
ASUS Exclusive Overclocking Features	Precision Tweaker: - vCore: Adjustable CPU voltage at 0.0125V increment SFS (Stepless Frequency Selection) - FSB tuning from 200MHz up to 600MHz at 1MHz increment - GPU tuning from 500MHz up to 1500MHz - PCIe frequency tuning from 100MHz up to 150MHz at 1MHz increment Overclocking Protection: - ASUS C.P.R. (CPU Parameter Recall)
Back Panel I/O Ports	1 x Optical S/PDIF Out 1 x External SATA 1 x IEEE1394a Port 1 x RJ45 port 2-ch RCA audio output connectors 1 x HDMI out 1 x DVI out 1 x D-Sub out 4 x USB 2.0/1.1 10-Channel Audio I/O

Internal I/O Connectors	3 x USB connector (6 ports)
	1 x IDE connector
	5 x SATA connectors
	1 x CPU Fan connector
	2 x Chassis Fan connector
	1 x Power Fan connector
	Front panel audio connector
	1 x S/PDIF out header
	CD audio in
	24-pin ATX Power connector
	4-pin ATX 12V Power connector
	4-pin ATX 12V Audio power connector
	System Panel
BIOS	16Mb Flash ROM, AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.5, ACPI 2.0
Accessories	1 x UltraDMA 133/100/66 cable
	2 x Serial ATA cable
	I/O Shield
	User's manual
	2 in 1 Q-connector (USB, System panel; Retail version only)
	ASUS Home Theater Gate Remote Controller set
Support CD	Drivers
	ASUS Home Theater Gate
	ASUS Express Gate
	ASUS PC Probe II
	ASUS Update
	Anti-virus software (OEM version)
Form Factor	uATX Form Factor, 9.6"x 9.6" (24.4cm x 24.4cm)